

PHOTOGRAPHIC INTERPRETATION REPORT

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BLACK SHIELD MISSION
BX6716

21 AUGUST 1967

NPIC/R-157/67
AUGUST 1967

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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BLACK SHIELD BX6716, 21 AUGUST 1967

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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF BLACK SHIELD MISSION BX6716, 21 AUGUST 1967.

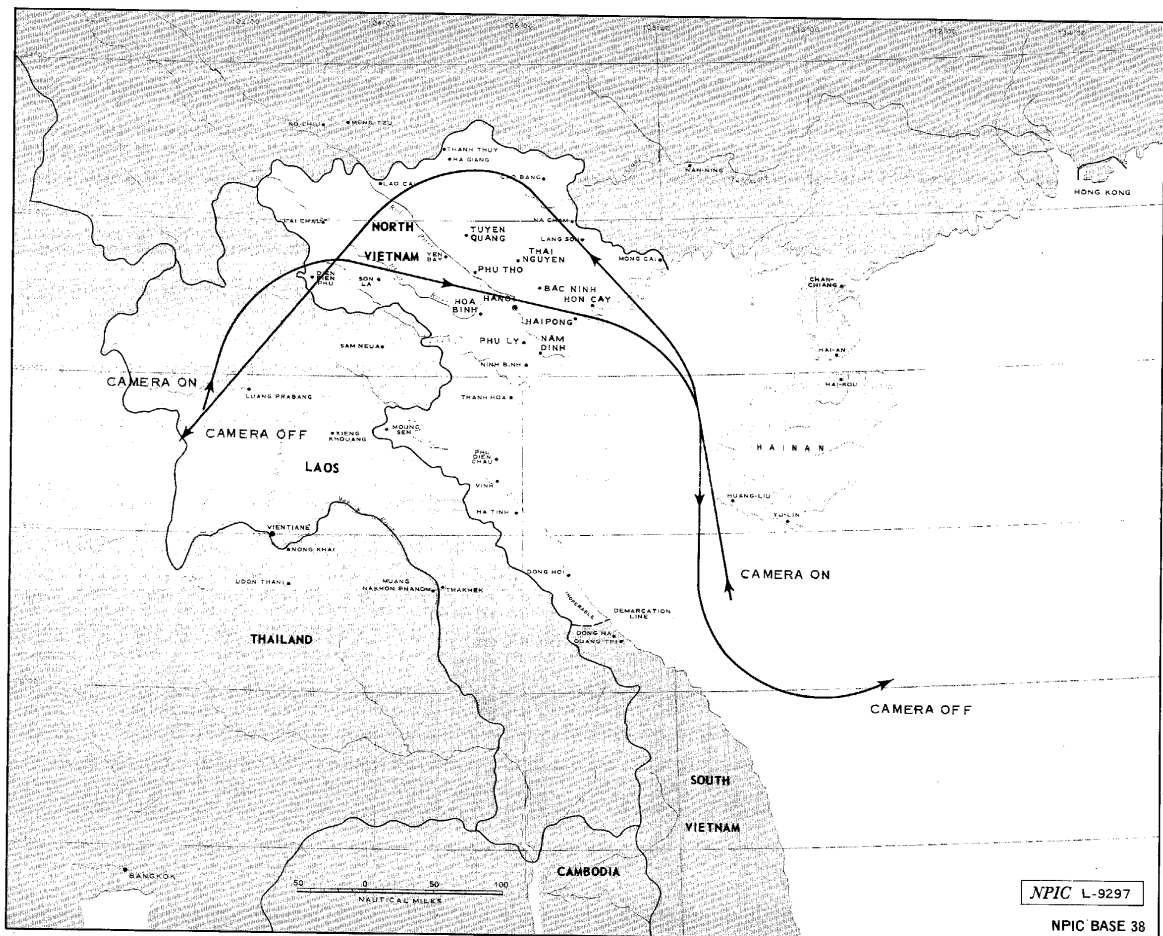
THE HEADER LINE FOR EACH TARGET, READING FROM LEFT TO RIGHT, CONTAINS THE TARGET NAME, COUNTRY CODE, GEOGRAPHIC COORDINATES, AND COMIREX NUMBER.

PHOTO REFERENCE DATA INCLUDES FRAME NUMBERS AND SYMBOLS DENOTING LIMITING CONDITIONS, PHOTO INTERPRETABILITY, TARGET COVERAGE AND MODE.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

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APPROXIMATE TRACK OF BLACK SHIELD MISSION BX 6716, 21 AUGUST 1967

Highlights

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BLACK SHIELD BX6716, 21 AUGUST 1967

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HIGHLIGHTS

NO EVIDENCE OF OFFENSIVE SURFACE-TO-SURFACE MISSILE EQUIPMENT OR FACILITIES OBSERVED.

A TOTAL OF 108 SA-2 SITES ARE IDENTIFIED AS FOLLOWS -- 14 ARE OCCUPIED, 69 ARE UNOCCUPIED (ONE IS NEWLY IDENTIFIED), AND 25 CAN BE IDENTIFIED ONLY.

HA NOI IS COVERED ON CLEAR, GOOD QUALITY PHOTOGRAPHY. HAI PHONG IS COVERED ON THIS MISSION, HOWEVER, INTERPRETABILITY IS LIMITED BY CLOUDS AND HAZE.

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Missiles

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25X1A

BLACK SHIELD BX6716, 21 AUGUST 1967

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MISSILES

HA NOI SAM SEARCH

VN 2102N 10551E

ENTIRE SEARCH AREA IS COVERED ON PHOTOGRAPHY. NO NEW MISSILES OR MISSILE-ASSOCIATED ACTIVITY OBSERVED.

25X1D

LAO CAI SAM SEARCH

VN 2229N 10359E

APPROXIMATELY 60 PERCENT OF THE SEARCH AREA OBSERVED THROUGH SCATTERED CLOUDS. NO MISSILES OR MISSILE-ASSOCIATED EQUIPMENT OBSERVED.

25X1D

DIEN BIEN PHU SAM SEARCH

VN 2123N 10301E

NO EVIDENCE OF MISSILES OR MISSILE-ASSOCIATED EQUIPMENT OBSERVED.

25X1D

CAO BANG SAM SEARCH AREA

VN 2240N 10615E

NO NEW SAM SITES OBSERVED IN CLOUD-FREE AREAS.

25X1D

HA NOI SAM SITE A10-2 (14)

VN 2101N 10558E

SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS, AN OCCUPIED REVETTED GUIDANCE AREA WITH RADAR AND 7 VANS, AND 3 MISSILE-HOLD AREAS (2 WITH TENTS).

25X1D

OB -- 6 SA-2 MISSILES AND 1 GUIDANCE RADAR WITH 7 VANS.

HA NOI SAM SITE A19-2 (15)

VN 2055N 10550E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (5 OCCUPIED) AND A REVETTED OCCUPIED GUIDANCE AREA WITH A

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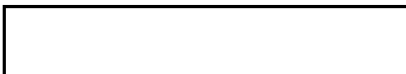
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PROBABLE FAN SONG RADAR, 4 VANS, AND 2 TRUCKS. TWO VEHICLES ARE OBSERVED IN THE ON-SITE SUPPORT AREA.

OB -- 5 SA-2 MISSILES AND 1 PROBABLE FAN SONG RADAR WITH 4 VANS.

25X1A

25X1D



HA NOI SAM SITE A29-2 (4)

VN 2104N 10541E

SITE CONSISTS OF 6 OCCUPIED REVETTED POSITIONS (3 WITH MISSILES, 3 WITH LAUNCHERS ONLY), AN OCCUPIED GUIDANCE AREA WITH RADAR AND 4 VANS, AND A REVETTED ACQUISITION RADAR. TWO MISSILE-HOLD REVETMENTS CONTAIN UNIDENTIFIED MATERIAL.

OB -- 6 SA-2 LAUNCHERS (3 WITH MISSILES), 1 GUIDANCE RADAR, 1 ACQUISITION RADAR, AND 4 VANS.

25X1D



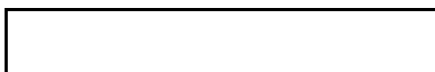
HA NOI SAM SITE B04-2 (5)

VN 2111N 10559E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (5 OCCUPIED), A REVETTED GUIDANCE AREA WITH RADAR AND 7 VANS, AND 3 MISSILE-HOLD POSITIONS (2 WITH UNIDENTIFIED EQUIPMENT).

OB -- 5 SA-2 MISSILES AND 1 GUIDANCE RADAR WITH 7 VANS.

25X1D

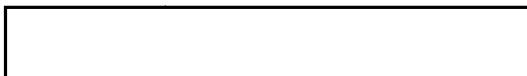


HA NOI SAM SITE B12-2 (3)

VN 2056N 10604E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE B25-2 (11)

VN 2054N 10536E

SITE IS UNOCCUPIED.

25X1D



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25X1A

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HA NOI SAM SITE B29-2 (17)

VN 2104N 10539E

SITE IS UNOCCUPIED.

25X1D

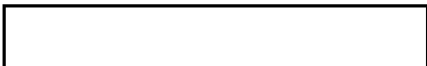


HA NOI SAM SITE B30-2 (16)

VN 2106N 10539E

SITE IS UNOCCUPIED.

25X1D

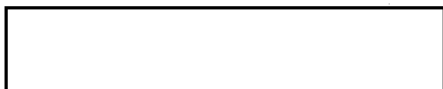


HA NOI SAM SITE C29-2 (6)

VN 2110N 10522E

SITE IS UNOCCUPIED.

25X1D

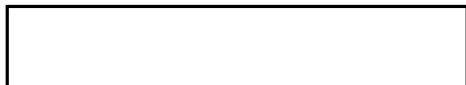


HA NOI SAM SITE C30-2 (7)

VN 2113N 10521E

SITE IS UNOCCUPIED.

25X1D



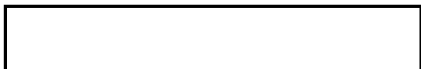
HA NOI SAM SITE B21-2 (2)

VN 2051N 10545E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (5 WITH MISSILES, 1 WITH OCCUPANCY UNDETERMINED), AND AN OCCUPIED REVETTED GUIDANCE AREA WITH RADAR AND 5 VANS. ONE MISSILE-HOLD POSITION CONTAINS UNIDENTIFIED OBJECTS.

OB -- 5 SA-2 MISSILES AND 1 GUIDANCE RADAR WITH 5 VANS.

25X1D

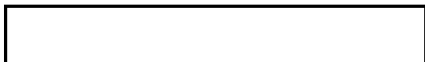


HA NOI SAM SITE C28-2 (13)

VN 2105N 10529E

SITE IS UNOCCUPIED.

25X1D



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HA NOI SAM SITE D31-2 (8)

VN 2121N 10522E

25X1D

SITE IS UNOCCUPIED.



HA NOI SAM SITE A11-2 (9)

VN 2100N 10555E

25X1D

SITE IS UNOCCUPIED.



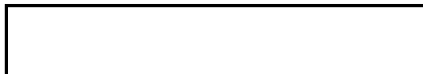
HA NOI SAM SITE A24-2 (19)

VN 2056N 10543E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (4 WITH MISSILES, 2 WITH LAUNCHERS ONLY), AN OCCUPIED REVETTED GUIDANCE AREA WITH RADAR AND 6 VANS, AND A REVETTED ACQUISITION RADAR. ONE MISSILE-HOLD POSITION CONTAINS UNIDENTIFIED OBJECTS.

25X1D

OB -- 6 LAUNCHERS (4 WITH MISSILES), 1 GUIDANCE RADAR WITH 6 VANS, AND 1 ACQUISITION RADAR.

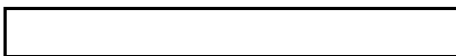


HA NOI SAM SITE D31A-2 (28)

VN 2124N 10517E

25X1D

SITE IS UNOCCUPIED.



HA NOI SAM SITE D16-2 (24)

VN 2034N 10607E

25X1D

SITE IS UNOCCUPIED.

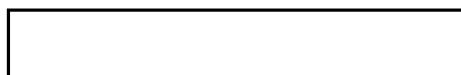


HA NOI SAM SITE D36-2 (39)

VN 2132N 10547E

25X1D

SITE IS UNOCCUPIED.



25X1A

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25X1A

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HA NOI SAM SITE C06-2 (32)

VN 2119N 10615E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HA NOI SAM SITE D31B-2 (29)

VN 2123N 10520E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE E07-2 (31)

VN 2122N 10635E

IDENTIFICATION ONLY.

25X1D

[Redacted]

YEN BAI SAM SITE B12-2 (116)

VN 2136N 10507E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

YEN BAI SAM SITE C17-2 (208)

VN 2123N 10517E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

YEN BAI SAM SITE B10-2 (227)

VN 2138N 10512E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE A29-2 (21)

VN 2052N 10634E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

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25X1A

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HAI PHONG SAM SITE A20-2 (25)

VN 2044N 10639E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HAI PHONG SAM SITE A17-2 (34)

VN 2047N 10642E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE A29A-2 (37)

VN 2053N 10631E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HAI PHONG SAM SITE B33-2 (38)

VN 2107N 10630E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE C32-2 (58)

VN 2106N 10623E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE C32A-2 (59)

VN 2106N 10622E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE B28-2 (60)

VN 2052N 10620E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

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25X1A

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HAI PHONG SAM SITE B30-2 (61)

VN 2059N 10621E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE A23-2 (66)

VN 2045N 10635E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE A31-2 (70)

VN 2054N 10636E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE A33-2 (71)

VN 2056N 10636E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE C30-2 (72)

VN 2101N 10619E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE C28-2 (73)

VN 2053N 10617E

SITE IS UNOCCUPIED.

25X1D

HAI PHONG SAM SITE A02-2 (85)

VN 2056N 10642E

SITE IS UNOCCUPIED.

25X1D

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25X1A

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HAI PHONG SAM SITE A17A-2 (86)

VN 2042N 10644E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE D35-2 (89)

VN 2121N 10630E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE A33A-2 (93)

VN 2054N 10638E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE B30A-2 (43)

VN 2108N 10535E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C30A-2 (44)

VN 2112N 10521E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE D04-2 (33)

VN 2125N 10612E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HA NOI SAM SITE A17A-2 (45)

VN 2052N 10554E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

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25X1A

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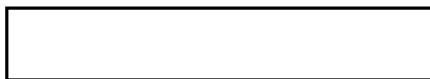
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HA NOI SAM SITE C30C-2 (51)

VN 2114N 10523E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE C01-2 (53)

VN 2125N 10551E

SITE IS UNOCCUPIED.

25X1D

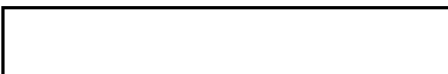


HA NOI SAM SITE C05-2 (62)

VN 2117N 10605E

SITE IS UNOCCUPIED.

25X1D

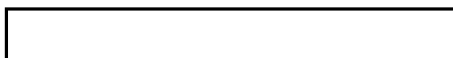


HA NOI SAM SITE C04-2 (54)

VN 2124N 10611E

IDENTIFICATION ONLY.

25X1D

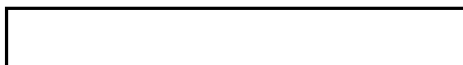


HA NOI SAM SITE C02-2 (56)

VN 2122N 10558E

IDENTIFICATION ONLY.

25X1D



HA NOI SAM SITE C04A-2 (57)

VN 2120N 10608E

IDENTIFICATION ONLY.

25X1D

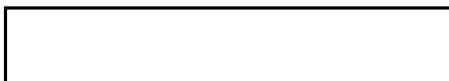


HA NOI SAM SITE C01A-2 (63)

VN 2129N 10554E

SITE IS UNOCCUPIED.

25X1D



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25X1A

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HA NOI SAM SITE B33-2 (64)

VN 2110N 10544E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C06A-2 (78)

VN 2115N 10616E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HA NOI SAM SITE C13-2 (81)

VN 2045N 10613E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C11-2 (84)

VN 2055N 10615E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C12-2 (88)

VN 2052N 10611E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C30D-2 (92)

VN 2112N 10530E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (4 WITH MISSILES, 1 WITH LAUNCHER ONLY) AND AN OCCUPIED REVETTED GUIDANCE AREA WITH RADAR AND 4 VANS.

OB -- 5 SA-2 LAUNCHERS (4 WITH MISSILES) AND 1 GUIDANCE RADAR WITH 4 VANS.

25X1D

[Redacted]

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HA NOI SAM SITE B07-2 (95)

VN 2108N 10609E

SITE IS UNOCCUPIED.

25X1D

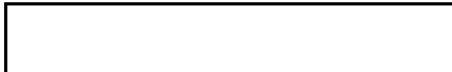


HA NOI SAM SITE C30E-2 (114)

VN 2111N 10521E

SITE IS UNOCCUPIED.

25X1D



HOA BINH SAM SITE A04-2 (210)

VN 2053N 10523E

SITE IS UNOCCUPIED.

25X1D

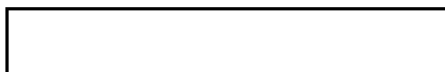


HOA BINH SAM SITE B08-2 (212)

VN 2052N 10533E

SITE IS UNOCCUPIED.

25X1D



HAI PHONG SAM SITE D35A-2 (97)

VN 2123N 10634E

SITE CONTAINS 4 UNOCCUPIED LAUNCH POSITIONS, 2 POSITIONS WITH OCCUPANCY UNDETERMINED, AND AN UNOCCUPIED CENTRAL GUIDANCE AREA.

25X1D



HAI PHONG SAM SITE A27-2 (99)

VN 2051N 10637E

SITE IS UNOCCUPIED.

25X1D

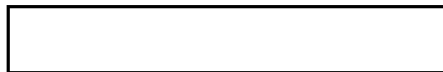


HAI PHONG SAM SITE B34-2 (104)

VN 2104N 10634E

IDENTIFICATION ONLY.

25X1D

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25X1A

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HAI PHONG SAM SITE A14-2 (137)

VN 2049N 10643E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE D23-2 (174)

VN 2028N 10614E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE B27-2 (209)

VN 2049N 10623E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HAI PHONG SAM SITE A31A-2 (219)

VN 2054N 10635E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HAI PHONG SAM SITE A14A-2 (220)

VN 2049N 10643E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HAI PHONG SAM SITE C29-2 (223)

VN 2056N 10619E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HAI PHONG SAM SITE C27-2 (224)

VN 2050N 10617E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

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25X1A

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HAI PHONG SAM SITE C26-2 (229)

VN 2047N 10617E

SITE IS UNOCCUPIED.

25X1D



HAI PHONG SAM SITE B25-2 (230)

VN 2044N 10622E

SITE IS UNOCCUPIED.

25X1D

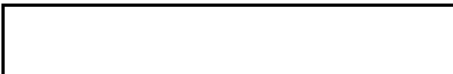


HA NOI SAM SITE B01-2 (119)

VN 2117N 10553E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE C33-2 (120)

VN 2118N 10537E

SITE IS UNOCCUPIED.

25X1D

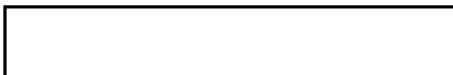


HA NOI SAM SITE B01A-2 (124)

VN 2114N 10553E

SITE IS UNOCCUPIED.

25X1D

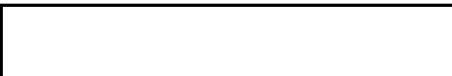


HA NOI SAM SITE A33-2 (125)

VN 2109N 10546E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE C01B-2 (128)

VN 2128N 10552E

SITE IS UNOCCUPIED.

25X1D



SECRET

SECRET

25X1A

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HA NOI SAM SITE A01-2 (133)

VN 2107N 10552E

SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS (4 WITH MISSILES, 2 WITH LAUNCHERS ONLY), AN OCCUPIED REVETTED GUIDANCE AREA WITH 5 VANS, AND A REVETTED ACQUISITION RADAR WITH 2 VANS.

OB -- 6 SA-2 LAUNCHERS (4 WITH MISSILES), 1 GUIDANCE RADAR WITH 5 VANS, AND 1 ACQUISITION RADAR WITH 2 VANS.

25X1D

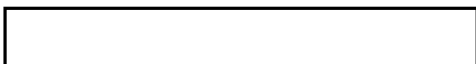


HA NOI SAM SITE C03-2 (138)

VN 2121N 10600E

IDENTIFICATION ONLY.

25X1D



HA NOI SAM SITE C03A-2 (141)

VN 2119N 10602E

IDENTIFICATION ONLY.

25X1D



HA NOI SAM SITE A14-2 (142)

VN 2056N 10558E

SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS AND AN OCCUPIED REVETTED GUIDANCE AREA WITH RADAR AND 6 VANS.

OB -- 6 SA-2 MISSILES AND 1 GUIDANCE RADAR WITH 6 VANS.

25X1D

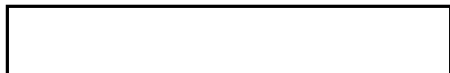


HA NOI SAM SITE C32-2 (143)

VN 2119N 10531E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE B32-2 (146)

VN 2115N 10535E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (3 WITH MISSILES, 2 WITH LAUNCHERS ONLY) AND A REVETTED

SECRET

SECRET

BLACK SHIELD BX6716, 21 AUGUST 1967

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GUIDANCE AREA WITH RADAR AND 4 VANS.

OB -- 5 SA-2 LAUNCHERS (3 WITH MISSILES) AND 1 GUIDANCE
RADAR WITH 4 VANS.

25X1A

25X1D

HA NOI SAM SITE B07A-2 (148)

VN 2109N 10608E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS WITH
POSSIBLE MISSILES, AND A REVETTED PROBABLE GUIDANCE
RADAR WITH AT LEAST 3 VANS.

OB -- 6 POSSIBLE SA-2 MISSILES AND 1 PROBABLE GUIDANCE
RADAR WITH 3 VANS.

25X1D

HA NOI SAM SITE C17-2 (147)

VN 2036N 10601E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE A31-2 (159)

VN 2104N 10546E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (4 WITH
MISSILES, 2 WITH LAUNCHERS ONLY), AN OCCUPIED GUIDANCE
AREA WITH RADAR AND 6 VANS, AND A REVETTED ACQUISITION
RADAR. NO OTHER EQUIPMENT OBSERVED.

OB -- 6 SA-2 LAUNCHERS (4 WITH MISSILES), 1 GUIDANCE
RADAR WITH 6 VANS AND 1 ACQUISITION RADAR.

25X1D

HA NOI SAM SITE B16-2 (162)

VN 2049N 10557E

SITE IS UNOCCUPIED.

25X1D

SECRET

SECRET

25X1A

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HA NOI SAM SITE C17B-2 (165)

VN 2033N 10600E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HA NOI SAM SITE C16-2 (166)

VN 2041N 10605E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE A05-2 (158)

VN 2108N 10558E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE C03B-2 (167)

VN 2121N 10600E

IDENTIFICATION ONLY.

25X1D

[Redacted]

HA NOI SAM SITE D31C-2 (131)

VN 2124N 10517E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE B27-2 (180)

VN 2059N 10533E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

HA NOI SAM SITE B13-2 (184)

VN 2050N 10605E

SITE IS UNOCCUPIED.

25X1D

[Redacted]

20
SECRET

~~SECRET~~

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HA NOI SAM SITE B28-2 (189)

VN 2101N 10532E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B04A-2 (186)

VN 2118N 10602E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE C01D-2 (195)

VN 2130N 10552E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE (205)

VN 2128N 10555E

IDENTIFICATION ONLY.

25X1D

HA NOI SAM SITE C29A-2 (211)

VN 2108N 10527E

SITE IS UNOCCUPIED.

25X1D

HA NOI SAM SITE B34A-2 (234)

VN 2113N 10545E

SITE CONSISTS OF 4 OCCUPIED UNREVIEWED LAUNCH POSITIONS
AND AN UNREVIEWED GUIDANCE AREA WITH OCCUPANCY
UNDETERMINED.

OB -- 4 SA-2 MISSILES.

25X1D

~~SECRET~~

SECRET

25X1A

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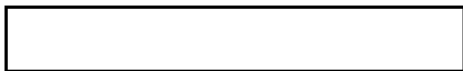
R-157/67

HA NOI PROB SAM EQPT TRNG AREA

VN 2127N 10555E

IDENTIFICATION ONLY.

25X1D

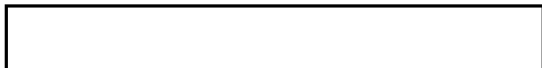


NA SAN SAM SITE A12-2 (232)

VN 2109N 10408E

SITE IS UNOCCUPIED.

25X1D



HA NOI SAM SITE 237 (NEW)

VN 2108N 10525E

NO COMOR

25 NM WNW OF HA NOI AT UTM WJ440373.

NEWLY IDENTIFIED SAM SITE CONSISTS OF 4 UNOCCUPIED,
UNREVIEWED LAUNCH POSITIONS AND AN UNOCCUPIED,
UNREVIEWED GUIDANCE AREA.

25X1D



HAI PHONG SAM SITE (236)

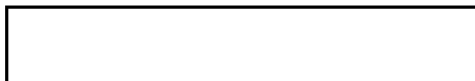
VN 2053N 10633E

NO COMOR

SITE CONSISTS OF 3 OCCUPIED UNREVIEWED LAUNCH POSITIONS
AND AN OCCUPIED GUIDANCE AREA.

OB -- 3 SA-2 MISSILES AND 1 GUIDANCE RADAR.

25X1D



Air Facilities

AIR FACILITIES

MENG-TZU AIRFIELD WEST

CH 2323N 10320E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

HAIPHONG/CAT BI AIRFIELD

VN 2049N 10643E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

HAIPHONG/KIEN AN AIRFIELD

VN 2048N 10636E

NO APPARENT CHANGE IN FACILITIES

25X1D

[REDACTED]

AIRCRAFT -- NONE OBSERVED.

25X1D

[REDACTED]

HANOI/BAC MAI AIRFIELD

VN 2059N 10550E

NO APPARENT CHANGE IN FACILITIES

25X1D

[REDACTED]

OB -- 2 SMALL DERELICT STRAIGHT-WING.

25X1D

25X1D

[REDACTED]

HANOI/GIA LAM AIRFIELD

VN 2102N 10553E

FOUR ALERT REVETMENTS AT THE SSW END OF NNE/SSW RUNWAY ARE BEING COVERED. TWO OF THESE ARE COMPLETE AND 2 REMAIN UNDER CONSTRUCTION.

OB -- 10 FAGOT/FRESCO, 4 CRATE, 4 COLT, 1 CREEK, 1 HOOK, 1 HOUND, AND 1 POSSIBLE CAB FUSELAGE.

25X1D

[REDACTED]

SECRET

25X1A

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PHUC YEN AIRFIELD

VN 2113N 10548E

SEVEN AIRCRAFT REVETMENTS LOCATED ALONG THE PARALLEL TAXIWAY ARE BEING COVERED. FOUR OF THESE ARE COMPLETED AND 3 ARE UNDER CONSTRUCTION.

OB -- 11 FAGOT/FRESCO, 1 PROBABLE FAGOT/FRESCO, 3 DUMMY/DECOY, AND 1 HOUND (ON THE OLD PHUC YEN AIRFIELD RUNWAY). SIX FAGOT/FRESCO ARE OBSERVED IN A DISPERSAL AREA AT UTM WJ780505, 3.7 NM NW OF THE AIRFIELD. HAZE PRECLUDES IDENTIFICATION OF 2 ADDITIONAL MIG 15/17

25X1D

25X1D

AIRCRAFT REPORTED ON [REDACTED]
[REDACTED] AT UTM WJ872538.

25X1D

KEP AIRFIELD

VN 2124N 10616E

IDENTIFICATION ONLY.

25X1D

YEN BAI AIRFIELD

VN 2143N 10451E

MINOR CONSTRUCTION CONTINUES. OBLIQUITY PRECLUDES DETAILED INTERPRETATION.

25X1D

HOA LAC AIRFIELD

VN 2101N 10530E

CONSTRUCTION CONTINUES ON THE ROOFING BEING PLACED OVER THE ALERT REVETMENTS. ONE OF THESE IS COMPLETED AND 3 ARE IN MIDSTAGES OF CONSTRUCTION AT THE NW END OF THE RUNWAY.

OB -- 2 FAGOT/FRESCO (WITHOUT TAIL SECTIONS) AND 2 DUMMY/DECOY.

25X1D

THO KHOI HELICOPTER DISPERSAL AREA

VN 2100N 10554E

NO COMOR

OB -- 2 HOOK AND 7 HOUND.

SECRET

SECRET

BLACK SHIELD BX6716, 21 AUGUST 1967

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25X1D



KEP HA AIRFIELD

VN 2122N 10640 NO COMOR

25X1D

NO APPARENT CHANGE IN FACILITIES

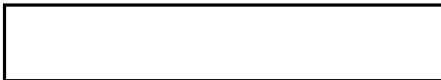


25X1D



25X1D

OB -- 1 STRAIGHT-WING AIRCRAFT.

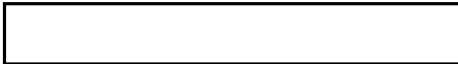


HA NOI HELICOPTER DISPERSAL AREA

VN 2105N 10549E NO COMOR

OB -- 3 HOOK.

25X1D



SECRET

**Naval
Activity/
Ports**

SECRET

BLACK SHIELD BX6716, 21 AUGUST 1967

R-157/67

25X1A

NAVAL ACTIVITY/PORTS

HAI PHONG PORT FACILITIES

VN 2052N 10642E



NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED. HAZE
PRECLUDES IDENTIFICATION OF NAVAL VESSELS.

VESSELS -- 6 GENERAL CARGO AND 1 LARGE HATCH VESSEL
OBSERVED.

25X1D



SECRET

**Military
Activity**

BLACK SHIELD BX6716, 21 AUGUST 1967

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25X1A

MILITARY ACTIVITY

MA-LI-PO SUPPLY DEPOT

CH 2307N 10443E

IDENTIFICATION ONLY.

25X1D

PING-HSIANG AMMUNITION DEPOT

CH 2208N 10645E

25X1D

NO APPARENT CHANGE

25X1D

25X1D

PING-HSIANG ARMY DEPOT

CH 2205N 10645E

25X1D

NO APPARENT CHANGE

OB -- 21 TRUCKS.

25X1D

25X1D

HA GIANG MILITARY AREA

VN 2249N 10459E

NO INDICATION OF TROOP OR SUPPLY BUILD-UP OBSERVED. NO COMMUNICATIONS FACILITIES NOTED. NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

OB -- 1 CARGO TRUCK PARKED IN THE WAREHOUSE AREA.

25X1D

VAN HOI MILITARY AREAS

VN 2131N 10454E

THREE AREAS REFERENCED FROM VAN HOI.

AREA A (4 NM SE AT UTM VJ901802) -- ALL BUILDINGS DISMANTLED. AREA IS OVERGROWN.

AREA B (4.3 NM SSE AT UTM VJ899794) -- ALL BUILDINGS DISMANTLED. AREA IS OVERGROWN.

SECRET

SECRET

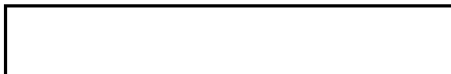
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AREA C (7 NM SE AT UTM VJ940770) -- APPEARS TO BE
ABANDONED.

25X1A

25X1D



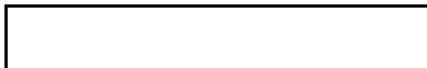
HO-KOU ARMY BARRACKS NORTH

CH 2232N 10357E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED. NO INDICATION
OF TROOP OR SUPPLY BUILD-UP OBSERVED.

OB -- 11 TRUCKS.

25X1D



LOC BINH ARMY SUPPLY DEPOT

VN 2145N 10656E

STORAGE AREA CONTAINS 2 PROBABLE ADMINISTRATION
BUILDINGS AND APPROXIMATELY 30 STORAGE BUILDINGS.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1D



BAC GIANG MILITARY AREA

VN 2117N 10612E

INSTALLATION IS LOCATED AT UTM XJ248542. IT CONTAINS
APPROXIMATELY 15 STORAGE-TYPE BUILDINGS AND DOES NOT
APPEAR TO BE A MILITARY INSTALLATION. THE PREVIOUSLY
REPORTED AREA AT UTM XJ246537 HAS APPARENTLY BEEN
DISMANTLED.

25X1D



TSA-TI-PAO ROAD

CH 2302N 10341E

ROAD IS COVERED ON INTERPRETABLE PHOTOGRAPHY FROM
22-30N 103-58E TO 22-41N 103-46E. NO NEW CONSTRUCTION
OBSERVED. APPROXIMATELY 25 TRUCKS ARE PARKED SW OF THE
ROAD AT 22-31-50N 103-56-20E. APPROXIMATELY 12 TRUCKS
ARE OBSERVED IN A TRUCK PARK LOCATED NE OF THE ROAD AT
22-32-50N 106-56-10E.

25X1D



SECRET

~~SECRET~~

BLACK SHIELD BX6716, 21 AUGUST 1967

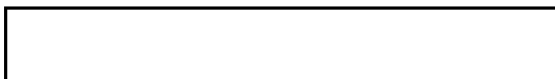
R-157/67

WU-PU-CHIEH ROAD CONSTRUCTION

CH 2314N 10454E

IDENTIFICATION ONLY.

25X1D

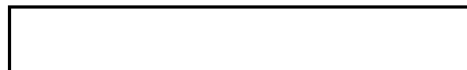


HA NOI/LAO CAI RR SEGMENT 2

VN 2200N 10433E

IDENTIFICATION ONLY.

25X1D

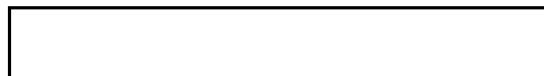


HA NOI/LAO CAI RR SEGMENT 1

VN 2220N 10410E

APPROXIMATELY 75 PERCENT OF THE SEGMENT OBSERVED, FROM 22-16N 104-16E TO 22-30N 103-58E. FORTY-THREE PIECES OF ROLLING STOCK AND 1 LOCOMOTIVE OBSERVED IN THE LAO CAI RAILYARD AT 22-29N 103-58E.

25X1D



HA NOI/LAO CAI RR SEGMENT 3

VN 2140N 10456E

AREA OBSERVED FROM 21-40N 104-56E TO 21-23N 105-15E. OBLIQUITY PRECLUDES DETERMINATION OF RAIL TRAFFIC AND SERVICEABILITY OF THE RAIL LINE.

25X1D



HA NOI/PING-HSIANG RR SEGMENT 2

VN 2132N 10627E

RAIL SEGMENT OBSERVED FROM 21-22N 106-15E TO 21-42N 106-40E. SERVICEABILITY CANNOT BE DETERMINED DUE TO OBLIQUITY AND SCATTERED CLOUDS. TWO PROBABLE LOCOMOTIVES AND APPROXIMATELY 60 PIECES OF ROLLING STOCK OBSERVED IN THE RAILYARD AT 21-39-04N 106-34-56E. APPROXIMATELY 25 PIECES OF ROLLING STOCK OBSERVED IN THE RAILYARD AT 21-35-55N 106-32-10E.

25X1D

~~SECRET~~

HA NOI/PING-HSIANG RR SEGMENT 1

VN 2145N 10644E

RAIL SEGMENT OBSERVED INTERMITTENTLY FROM 21-42N 106-40E TO 21-58N 106-43E. SERVICEABILITY IS UNDETERMINED DUE TO SCATTERED CLOUDS. AT LEAST 25 PIECES OF ROLLING STOCK OBSERVED IN THE RAILYARD AT 21-56-25N 106-42-05E.

25X1D

HA NOI/PING-HSIANG RR SEGMENT 3

VN 2110N 10604E

ENTIRE SEGMENT OBSERVED THROUGH HAZE. APPROXIMATELY 147 PIECES OF ROLLING STOCK AND 4 LOCOMOTIVES ARE OBSERVED.

25X1D

HA NOI/LAO CAI RR SEGMENT 4

VN 2120N 10520E

RAIL LINE OBSERVED FROM 21-23-35N 105-15-00E TO 21-18-30N 105-36-30E. SIXTEEN PIECES OF ROLLING STOCK OBSERVED AT 21-50-00N 105-17-30E. RAIL APPEARS TO BE UNSERVICEABLE AT THIS POINT. THIRTEEN PIECES OF ROLLING STOCK OBSERVED AT VIET TRI RAILROAD YARD. CABLES ARE NOW INTACT AT THE VIET TRI RAILWAY/HIGHWAY BRIDGE [REDACTED], HOWEVER, SERVICEABILITY OF THIS BRIDGE IS UNDETERMINED. THE RAIL LINE IS UNSERVICEABLE AT 21-18-20N 105-36-30E.

25X1A

25X1D

HA NOI/LAO CAI RR SEGMENT 5

VN 2110N 10548E

ENTIRE SEGMENT IS COVERED ON PHOTOGRAPHY. THE RAIL LINE AND BRIDGES ARE SERVICEABLE WITH THE EXCEPTION OF A RAILROAD BRIDGE AT 21-15-30N 105-41-38E, WHICH IS UNSERVICEABLE. NO MOVING TRAINS NOTED. ONE HUNDRED AND ONE CARS AND 2 LOCOMOTIVES OBSERVED.

25X1D

~~SECRET~~

BLACK SHIELD BX6716, 21 AUGUST 1967

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PING-HSIANG/HA NOI RR SEGMENT 4

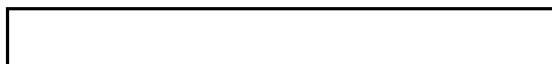
CH 2202N 10643E



NO NEW CONSTRUCTION, COMMUNICATIONS FACILITIES, OR
MILITARY ACTIVITY OBSERVED. FOR RAIL TRAFFIC SEE
PING-HSIANG RR TRANSLOADING YARD STATION AND SHOPS AND
DONG DANG COMPLEX.

25X1A

-25X1D



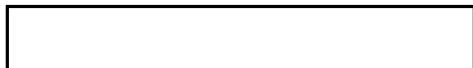
PING-HSIANG STORAGE AREA NORTH

CH 2207N 10646E

NO COMOR

OB -- APPROXIMATELY 65 VEHICLES.

25X1D



PING-HSIANG RR TRNSLDG YD STN & SHOPS

CH 2204N 10644E

NO COMOR

OB -- 26 FA PIECES, 26 POSSIBLE MORTARS/AAA PIECES, AND
24 TRUCKS ARE LOCATED IN THE SOUTHWEST TRANSSHIPMENT
YARD, AND APPROXIMATELY 460 PIECES OF ROLLING STOCK
(INCLUDING 10 FLATCARS EACH WITH AN UNIDENTIFIED
VEHICLE/PIECE OF EQUIPMENT) ARE LOCATED THROUGHOUT THE
RAILYARDS. TWENTY UNIDENTIFIED VEHICLES ARE IN THE
MAIN CLASSIFICATION YARD.

25X1D



SECRET

Complexes

25X1A

COMPLEXES

PING-HSIANG COMPLEX

CH 2206N 10645E

25X1D CONSTRUCTION STATUS OF BUILDINGS AT 22-05-20N
106-44-10E REPORTED [REDACTED]

[REDACTED] IS AS FOLLOWS -- 4 VEHICLE SHEDS AND 1 OTHER
BUILDING ARE COMPLETE, 12 BUILDINGS ARE IN VARIOUS
STAGES OF CONSTRUCTION. CONSTRUCTION HAS BEGUN ON AT
LEAST 3 ADDITIONAL BUILDINGS. ONE HUNDRED FIFTY-TWO
TRUCKS AND APPROXIMATELY 410 OTHER VEHICLES OBSERVED
PARKED THROUGHOUT THE COMPLEX.

25X1D [REDACTED]

DONG DANG RAILROAD YARD

VN 2156N 10641E

APPROXIMATELY 25 PIECES OF ROLLING STOCK OBSERVED IN
CLOUD-FREE AREAS.

25X1D [REDACTED]

BAC GIANG COMPLEX

VN 2116N 10611E

NO EVIDENCE OF TROOP OR SUPPLY BUILD-UP OBSERVED. NO
WEAPONS, VEHICLES, EQUIPMENT, OR DEFENSES OBSERVED.

25X1D [REDACTED]

CAO BANG MILITARY COMPLEX

VN 2239N 10615E

IDENTIFICATION ONLY.

25X1D [REDACTED]

LAI CHAU COMPLEX

VN 2203N 10309E

IDENTIFICATION ONLY.

25X1D [REDACTED]

LANG SON COMPLEX

VN 2151N 10645E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

YEN BAI COMPLEX

VN 2141N 10452E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

DIEN BIEN PHU COMPLEX

VN 2122N 10301E

NO APPARENT CHANGE IN FACILITIES

25X1D

[REDACTED]

25X1D

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1D

[REDACTED]

KEP COMPLEX

VN 2124N 10617E

IDENTIFICATION ONLY.

25X1D

[REDACTED]

LAD CAI COMPLEX

VN 2230N 10358E

NO EVIDENCE OF TROOP BUILD-UP OBSERVED. A NEW STORAGE
AREA LOCATED 1.5 NM SE OF THE COMPLEX AT 22-28-56N
104-00-00E (UTM UK972863) CONTAINS APPROXIMATELY 32
DISPERSED BUILDINGS. A SECOND STORAGE AREA IS LOCATED
1.8 NM SSW OF THE COMPLEX AT 22-28-05N 103-57-55E (UTM
UK935848) AND CONTAINS 10 BUILDINGS. NO WEAPONS OR
VEHICLES OBSERVED IN THE AREA. THE RAILYARD CONTAINS
43 PIECES OF ROLLING STOCK AND 1 LOCOMOTIVE.

25X1D

[REDACTED]

SECRET

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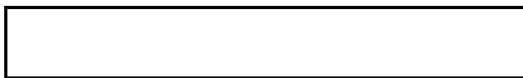
R-157/67

HAI PHONG RR STATION CLASS YD & SHOPS

VN 2051N 10641E

IDENTIFICATION ONLY.

25X1D



VIET TRI RAILROAD YARD

VN 2118N 10526E

YARD DOES NOT APPEAR TO BE SERVICEABLE. THIRTEEN
PIECES OF ROLLING STOCK OBSERVED.

25X1D

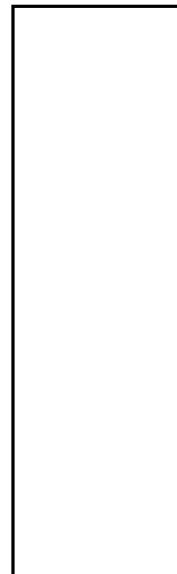


YEN VIEN RR CLASSIFICATION YARD

VN 2105N 10555E

CLASSIFICATION YARD CONTAINS 3 SERVICEABLE TRACKS.
SEVEN OF THE 10 TRACKS IN THE YARD HAVE SUSTAINED HEAVY
DAMAGE. THE YARD CONTAINS 98 SERVICEABLE PIECES OF
ROLLING STOCK AND 17 DAMAGED PIECES OF ROLLING STOCK.
NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1D



SECRET

~~SECRET~~

~~SECRET~~